

PATENT ABSTRACTS OF JAPAN

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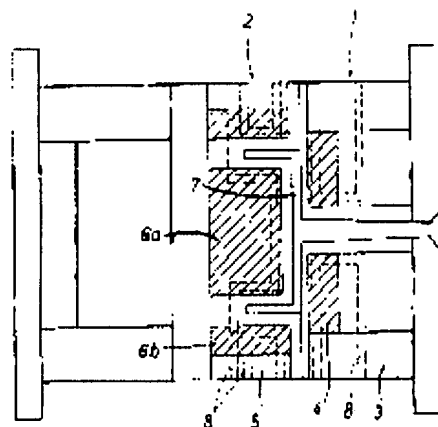
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(54) MOLD FOR MOLDING RESIN

(57)Abstract:

PURPOSE: To minimize the scattering of the mold temperature and to obtain a molded item whose quality is stable even if the molding cycle is shortened, by allowing two or more surfaces of metal components whose heat conductivity is high to come in contact with metal components whose heat conductivity is low, with the components that will be in contact with a molding resin being said metal components whose heat conductivity is low.

CONSTITUTION: The mold components 4 of a copper/beryllium alloy are in the steel mold component 3 of a stationary side mold 1. The mold components 6a, 6b of a Be/Cu alloy are embedded in the steel mold component 5 of a movable side mold 2. The components 4, 6a, 6b are arranged along the surfaces of a molded item 7, and a thickness of 10W30mm of the steel mold components 3, 5 surrounds the components 4, 6a, 6b. The strength to withstand the clamping pressure is secured only by the components 3, 5. Such a mold that employs Be/ Cu alloy components having a high heat conductivity allows a resin to set within a shorter period than in a case that uses only steel components, and therefore the molding cycle can be quickened. In addition thereto, warpage can be minimized.



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